BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements of road in low lying area of Balaji layout at 4th cross and 6th main road in ward no. 08 under flood relief fund.**

			Estimate Cost:					1200000	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32 / PWD SR 2013-14**	sqm							
	a) Bhadrappa 1st main 4th crs road		2	72.00	1.50		216.00		
	b) Bhadrappa 1st main 2nd crs road		2	72.00	1.50		216.00		
	c) Bhadrappa 1st main left side from main rd to 4th crs		1	160.00	1.50		240.00		
							672.00	50.11	**33675.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
2	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33 / PWD SR 2013-14**	Sqm							
	95% of quantity vide item No. 1		Qty Vide Item No. 1				**638.40**	70.04	**44712.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete - 7.5 cms thick (P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2013-14.)								
	Balance qty vide item No. 1 & 2	sqm					**33.60**	**343.44**	**11540.00**
	Basic Rate Rs.	318.00							
	Add 8% A.W Rs.	25.44							
	Total Rate Rs.	343.44							
4	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	Desilting of drain								
	a) Bhadrappa 1st main 4th crs road		2	72.00	0.60	0.55	47.52		
	b) Bhadrappa 1st main 2nd crs road		2	72.00	0.60	0.55	47.52		
	c) Bhadrappa 1st main left side from main rd to 4th crs		1	149.00	0.60	0.55	49.17		
	Concrete road								
	1) 1st cross road adjacent school		1	33.00	4.00	0.40	52.80		
	2) 7th cross left side 1st cross		1	25.00	2.50	0.40	25.00		
							225.87	90.72	**20490.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
5	KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 159 / Item No. 19.60 / PWD SR 2013-14**	Cum							
	Concrete road								
	1) 1st cross road adjacent school		1	33.00	4.00	0.15	19.80		
	2) 7th cross left side 1st cross		1	25.00	2.50	0.15	9.37		
							29.17	166.32	**4852.00**
	Basic Rate	154.00							
	Area Weightage @ 8%	12.32							
	Total	**166.32**							
6	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
	Raising of drain								
	c) Bhadrappa 1st main left side from main rd to 4th crs		1	149	0.60	0.15	13.41		
	Concrete road								
	1) 1st cross road adjacent school		1	33.00	4.00	0.15	19.80		
	2) 7th cross left side 1st cross		1	25.00	2.50	0.15	9.37		
							42.58	4290.84	**182704.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
	Concrete road								
	1) 1st cross road adjacent school		1	33.00	4.00	0.15	19.80		
	2) 7th cross left side 1st cross		1	25.00	2.50	0.15	9.38		
							29.18	6464.9	**188613.00**
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	6464.88							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
	Concrete road				av.				
	1) 1st cross road adjacent school		1	33.00	4.00		132.00		
	2) 7th cross left side 1st cross		1	25.00	2.50		62.50		
				58.0	3.25		**194.50**	91.80	**17855.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
9	Providing groove cutting for width of 5mm to 10mm and depth 80mm -100mm including cost of cutting machine , generater &HOM of machinery ,including cost of blade , coolant etc ., including cleaning of groove &providing sand and hot bitumen fillars and filler metal etc., including cost of conveyance of all materials , labour lead and lift charges and all other incident charges as per drawing p no.								
		Rmtr	4	3.25			13.00		
							13.00	118.80	1544.00
	Basic Rate Rs	110.00							
	Area Weightage @ 8%	8.8							
	Total	118.8							
10	KSRB 5-14 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P. No. 28 Item No. 5.28 SR 2013-14)	**Sqm**				av			
	a) Bhadrappa 1st main 4th crs road		2	72.00		0.20	28.80		
	b) Bhadrappa 1st main 2nd crs road		2	72.00		0.20	28.80		
	c) Bhadrappa 1st main left side from main rd to 4th crs		1	149.00		0.20	29.80		
							87.40	663.12	57957
	Basic Rate	**614.00**							
	Area Weightage @ 8%	**49.12**							
	Total	**663.12**							
11	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. (Approved data rate enclosed)	sqm							
	a) Bhadrappa 1st main 4th crs road		2	72.0	0.90		129.60		
	b) Bhadrappa 1st main 2nd crs road		2	72.0	0.90		129.60		
	c) Bhadrappa 1st main left side from main rd to 4th crs		1	149.0	0.90		134.10		
							393.30	1245.0	**489659.00**
12	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**225.87**	72.71	**16422.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
	Total								**1070023**
8	KRIDL CHARGES 11%								117703
9	For Third Party QC Charges @ 1% on Estimate Cost								**10700**
10	Miscellaneous and other Charges	L/S							**1574.24**
								Total	**1200000**

(Rs. Twelve Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

D. K. Madhu Reddy.
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs 12.00 Lakh
Twelve Lakhs only

43/14-15, D: 05/9/14

43/14-15, D: 05/9/14

ADMINISTRATIVELY SANCTIONED FOR Rs 12.00 lakhs
Rupees Twelve lakhs only
Under
Registered as EE ( ) No 3 9
Subject to conditions contained in
enclosed memo EE ( ) No /9/
Dt Estimate A/Sanctioned
Addl Comm (Z) AS/ 1030/14-15
dated 5-9-2014 Rs 12.00 lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92